KENTUCKY LIFESTYLES BEHAVIORAL RISK FACTORS

DISTRICT COMPOSITES

1994 – 1996 and 1995 – 1997

DIVISION OF EPIDEMIOLOGY AND HEALTH PLANNING DEPARTMENT FOR PUBLIC HEALTH CABINET FOR HEALTH SERVICES



ACKNOWLEDGMENTS

The Behavioral Risk Factor Surveillance System (BRFSS) is a collaborative effort of the Kentucky Department for Public Health and the Centers for Disease Control and Prevention (CDC). This on-going surveillance was initiated in 1985. Administrative responsibility is within the Division of Epidemiology and Health Planning.

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INTRODUCTION

The Kentucky Behavioral Risk Factor Surveillance System (BRFSS) is an ongoing program conducted by the Department for Public Health in cooperation with the Centers for Disease Control and Prevention (CDC). The survey is designed to collect data on and to monitor prevalence of health risk factors which contribute to disability and premature death in adult Kentuckians.

The BRFSS uses a standardized core questionnaire and interview protocol developed jointly by the CDC and the participating states. In addition to the core questions, additional modules of questions from which the states may choose are made available each year. State-specific questions also may be added to this survey.

Data analyzed in this report are for the years 1994 through 1997. Risk factors and preventive health practices examined are: smoking, lack of physical activity, overweight, diabetes, seatbelt non-use, alcohol use, hypertension, nutrition, cholesterol screening, colorectal screening, mammography, cervical cancer screening, influenza and pneumonia immunizations, health care coverage, and general health status.

Data from this report will be useful for planning and supporting risk reduction and disease prevention programs at state and local levels, and for monitoring progress toward achieving the health objectives in the document *Healthy Kentuckians 2000*, a framework to optimize the health of all Kentuckians.

The BRFSS samples yield estimates for the state as a whole with a margin of error of +/-2.5% with a 95% confidence interval. However, analyzing the data by area development district will necessarily reduce the sample size and widen the margin of error. (For example, a sample size of only 30 has a margin of error of +/- 17.9% while a sample size of 500 has a margin of error of +/- 4.4%.) For this reason, only an average of the data for three-year periods is presented for the risk factors analyzed by area development districts.

These surveys are based on self-reported data, which may result in a bias toward reporting a more favorable lifestyle. This limitation should not affect the ability to identify trends and to monitor progress in behavior changes.

DEFINITIONS

RISK FACTORS

The following definitions were used in questioning respondents on risk factors and preventive health practices.

- No data collected for 1994.
- ** No data collected for 1995.

Smoking: Those who report ever smoking 100 cigarettes and who currently smoke.

Lack of Physical Activity:** Individuals who report no leisure-time activity or activity less than three times per week or less than 20 minutes per session.

Overweight: Females with a body mass index > 27.3 and males with a body mass index > 27.8.

The definition for overweight/obesity was revised in mid-1998. In the future, the following definitions will be used:

- 1. Normal Body mass index < 25.0 for both males and females
- 2. Overweight Body mass index >25.0 but <29.9 for both genders
- 3. Obese Body mass index 29.9 or greater for both genders.

It is anticipated that categories 2 and 3 will be combined to determine the prevalence of overweight individuals.

Diabetes: Persons who report they have ever been told by a doctor or other health professional that they have diabetes.

Seatbelt Non-Use*: Respondents who report that they do not always use a safety belt.

Alcohol*: Individuals who report having had one or more alcoholic beverages in the past month.

Hypertension*: Respondents who report ever having been told by a health professional that they have high blood pressure.

PREVENTIVE HEALTH PRACTICES

Nutrition:** Persons who report consuming five or more servings of fruits and vegetables per day.

Cholesterol Screening*: Respondents who report that they have had their cholesterol checked within the last five years.

Colorectal Screening*: Persons ages 50 and older who report having had a sigmoidoscopic or proctoscopic examination.

Mammograms: Women ages 50 and older who report having had a mammogram and clinical breast examination in the past two years.

Cervical Cancer Screening: Women who report having had a Pap test in the past three years.

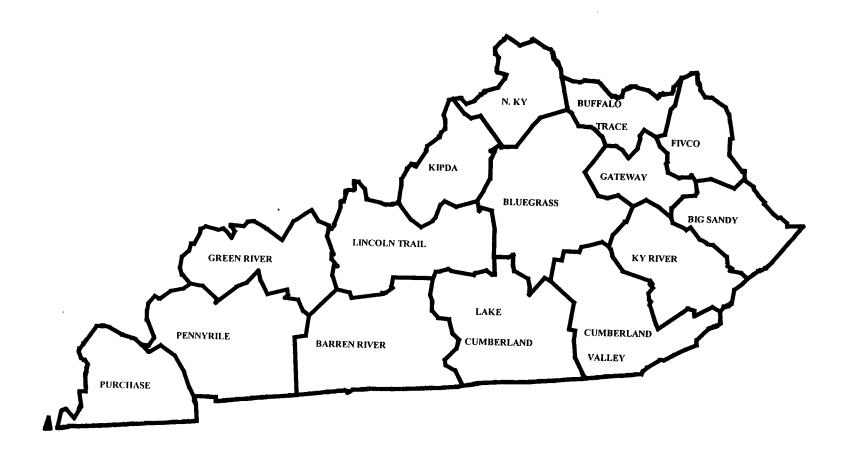
Immunizations*: Influenza – Individuals ages 65 and older who report having had a flu shot in the last 12 months.

Pneumonia – Persons ages 65 and older who report ever having a pneumonia vaccination.

Health Care Coverage: Respondents who report having any kind of health care coverage.

General Health Status: Respondents who report their general health status to be excellent or very good.

KENTUCKY AREA DEVELOPMENT DISTRICTS



KENTUCKY

Risk Factor / Health Measure	1994 - 1996	1995 – 1997
Smoking	29.4	30.1
Lack of Physical Activity **	68.3	67.7
Overweight	29.9	31.8
Diabetes	4.1	4.4
Seatbelt Non-Use *	34.4	34.5
Alcohol *	33.8	33.8
Hypertension *	22.8	24.4
Nutrition **	17.4	16.8
Cholesterol Screening *	60.4	61.3
Colorectal Screening *	31.7	32.4
Mammograms	55.9	60.1
Cervical Cancer Screening	74.0	75.4
Immunizations - Influenza, * Pneumonia *	55.0 25.4	57.3 30.2
Health Care Coverage	85.4	85.7
General Health Status - Excellent/VeryGood	50.9	49.8

BARREN RIVER AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	30.9	31.4
Lack of Physical Activity **	70.3	70.5
Overweight	24.7	25.9
Diabetes	4.3	4.7
Seatbelt Non-Use *	34.3	38.4
Alcohol *	28.7	26.7
Hypertension *	20.5	24.4
Nutrition **	16.1	16.9
Cholesterol Screening *	58.2	58.4
Colorectal Screening *	33.8	29.8
Mammograms	54.7	54.2
Cervical Cancer Screening	68.5	69.4
Immunizations - Influenza, * Pneumonia *	55.6 35.4	56.5 34.2
Health Care Coverage	82.9	83.9
General Health Status - Excellent/Very Good	48.0	49.0

^{*} No data for 1994

^{**} No data for 1995

BIG SANDY AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	28.4	29.4
Lack of Physical Activity **	78.6	78.2
Overweight	38.2	40.6
Diabetes	5.8	5.9
Seatbelt Non-Use *	39.5	40.1
Alcohol *	16.5	14.8
Hypertension *	36.1	36.8
Nutrition **	10.4	6.3
Cholesterol Screening *	51.4	57.0
Colorectal Screening *	20.1	21.1
Mammograms	47.5	58.7
Cervical Cancer Screening	72.0	76.7
Immunizations - Influenza, * Pneumonia *	78.6 17.8	60.7 21.5
Health Care Coverage	73.4	76.6
General Health Status – Excellent/Very Good	31.8	33.5

^{*} No data for 1994

^{**} No data for 1995

BLUEGRASS AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	28.0	28.0
Lack of Physical Activity **	67.6	66.0
Overweight	26.6	30.5
Diabetes	3.3	3.3
Seatbelt Non-Use *	33.8	32.8
Alcohol *	38.5	39.8
Hypertension *	19.7	20.2
Nutrition **	18.7	19.0
Cholesterol Screening *	63.9	63.9
Colorectal Screening *	31.0	35.0
Mammograms	61.6	67.0
Cervical Cancer Screening	80.6	83.0
Immunizations - Influenza, * Pneumonia *	54.4 26.3	53.6 29.9
Health Care Coverage	87.8	88.1
General Health Status - Excellent/Very Good	56.6	57.2

^{*} No data for 1994

^{**} No data for 1995

BUFFALO TRACE AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	28.8	34.8
Lack of Physical Activity **	73.8	72.8
Overweight	37.2	33.6
Diabetes	4.4	5.4
Seatbelt Non-Use *	44.0	39.4
Alcohol *	31.0	27.9
Hypertension *	21.7	25.0
Nutrition **	14.4	14.1
Cholesterol Screening *	61.2	64.1
Colorectal Screening *	22.0	24.1
Mammograms	45.7	47.8
Cervical Cancer Screening	64.2	69.7
Immunizations - Influenza, * Pneumonia *	41.8 5.3	49.0 19.9
Health Care Coverage	82.2	83.9
General Health Status – Excellent/ Very Good	50.6	46.3

^{*} No data for 1994

^{**} No data for 1995

CUMBERLAND VALLEY AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	29.7	28.1
Lack of Physical Activity **	74.4	73.9
Overweight	32.4	34.2
Diabetes	5.1	5.8
Seatbelt Non-Use *	42.6	41.1
Alcohol *	17.2	18.2
Hypertension *	34.2	33.2
Nutrition **	15.6	16.9
Cholesterol Screening *	60.7	61.1
Colorectal Screening *	34.7	36.7
Mammograms	43.4	52.5
Cervical Cancer Screening	70.4	70.5
Immunizations - Influenza, * Pneumonia *	43.2 9.7	47.5 13.8
Health Care Coverage	80.4	79.7
General Health Status – Excellent/Very Good	41.4	39.2

No data for 1994

^{**} No data for 1995

FIVCO AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	27.4	32.2
Lack of Physical Activity **	72.3	71.9
Overweight	38.4	34.4
Diabetes	4.2	6.8
Seatbelt Non-Use *	39.0	43.7
Alcohol *	20.8	21.1
Hypertension *	25.4	27.0
Nutrition **	13.7	11.9
Cholesterol Screening *	55.6	52.9
Colorectal Screening *	24.5	28.2
Mammograms	48.9	63.2
Cervical Cancer Screening	64.5	67.2
Immunizations - Influenza, * Pneumonia *	60.7 24.6	63.2 35.2
Health Care Coverage	79.0	81.8
General Health Status – Excellent/Very Good	42.5	41.7

^{*} No data for 1994

^{**} No data for 1995

GATEWAY AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	27.8	31.4
Lack of Physical Activity **	67.2	63.5
Overweight	29.4	31.7
Diabetes	4.1	6.4
Seatbelt Non-Use *	35.4	38.5
Alcohol *	22.9	23.9
Hypertension *	25.1	30.2
Nutrition **	18.2	14.6
Cholesterol Screening *	55.5	61.5
Colorectal Screening *	37.8	31.7
Mammograms	48.8	53.3
Cervical Cancer Screening	68.5	76.4
Immunizations - Influenza, * Pneumonia *	31.0 34.3	46.8 42.3
Health Care Coverage	82.1	84.5
General Health Status – Excellent/Very Good	43.8	38.2

^{*} No data for 1994

^{**} No data for 1995

GREEN RIVER AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	34.8	34.5
Lack of Physical Activity **	76.7	72.7
Overweight	27.5	30.4
Diabetes	3.6	5.1
Seatbelt Non-Use *	38.4	38.9
Alcohol *	30.9	30.5
Hypertension *	22.6	25.3
Nutrition **	17.8	15.5
Cholesterol Screening *	59.5	57.7
Colorectal Screening *	37.0	35.1
Mammograms	56.0	59.3
Cervical Cancer Screening *	67.8	73.1
Immunizations - Influenza, * Pneumonia *	63.9 26.4	60.4 30.8
Health Care Coverage	87.0	83.4
General Health Status – Excellent/Very Good	48.9	47.5

^{*} No data for 1994

^{**} No data for 1995

KIPDA AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	26.7	27.3
Lack of Physical Activity **	62.5	63.3
Overweight	30.0	32.3
Diabetes	3.8	4.0
Seatbelt Non-Use *	29.1	29.2
Alcohol *	44.1	44.2
Hypertension *	21.3	23.4
Nutrition **	18.9	18.5
Cholesterol Screening *	63.6	65.3
Colorectal Screening *	32.2	33.1
Mammograms	62.0	64.1
Cervical Cancer Screening	76.8	77.6
Immunizations - Influenza, * Pneumonia *	51.3 21.8	57.0 26.6
Health Care Coverage	90.2	90.6
General Health Status – Excellent/Very Good	55.7	54.4

^{*} No data for 1994

^{**} No data for 1995

KENTUCKY RIVER AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	35.2	35.7
Lack of Physical Activity **	76.3	78.7
Overweight	31.3	33.8
Diabetes	4.1	4.5
Seatbelt Non-Use *	36.8	34.8
Alcohol *	19.1	16.5
Hypertension *	25.6	28.2
Nutrition **	17.1	20.1
Cholesterol Screening *	47.9	52.3
Colorectal Screening *	39.4	38.0
Mammograms	51.0	58.9
Cervical Cancer Screening	71.2	74.7
Immunizations - Influenza, * Pneumonia *	59.7 18.9	53.0 21.2
Health Care Coverage	61.9	60.9
General Health Status – Excellent/Very Good	32.5	34.9

^{*} No data for 1994

^{**} No data for 1995

LAKE CUMBERLAND AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	32.7	32.7
Lack of Physical Activity **	75.9	71.2
Overweight	35.4	35.9
Diabetes	3.4	3.8
Seatbelt Non-Use *	43.6	42.2
Alcohol *	21.9	21.0
Hypertension *	24.2	25.0
Nutrition **	16.8	12.7
Cholesterol Screening *	61.7	61.8
Colorectal Screening *	27.9	28.4
Mammograms	43.7	51.7
Cervical Cancer Screening *	69.9	71.8
Immunizations - Influenza, * Pneumonia *	41.2 20.6	47.1 26.5
Health Care Coverage	80.6	81.1
General Health Status - Excellent/Very Good	42.7	42.4

^{*} No data for 1994

^{**} No data for 1995

LINCOLN TRAIL AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	29.7	29.3
Lack of Physical Activity **	68.8	62.2
Overweight	31.0	31.9
Diabetes	5.7	5.1
Seatbelt Non-Use *	32.4	32.8
Alcohol *	32.2	32.6
Hypertension *	28.6	26.4
Nutrition **	18.9	17.6
Cholesterol Screening *	58.5	60.7
Colorectal Screening *	34.0	31.8
Mammograms	53.1	58.6
Cervical Cancer Screening	73.3	71.9
Immunizations - Influenza, * Pneumonia *	53.5 25.8	61.2 34.1
Health Care Coverage	87.5	86.3
General Health Status – Excellent/Very Good	49.2	51.1

^{*} No data for 1994

^{**} No data for 1995

NORTHERN KENTUCKY AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	32.8	32.0
Lack of Physical Activity **	62.7	65.2
Overweight	28.1	31.0
Diabetes	4.2	4.1
Seatbelt Non-Use *	33.7	31.7
Alcohol *	44.7	46.0
Hypertension *	19.7	20.4
Nutrition **	16.5	17.7
Cholesterol Screening *	57.3	58.7
Colorectal Screening *	31.6	31.5
Mammograms	54.8	57.2
Cervical Cancer Screening	74.9	74.2
Immunizations - Influenza,* Pneumonia *	57.6 28.8	58.2 32.6
Health Care Coverage	89.1	89.2
General Health Status - Excellent/Very Good	58.1	55.8

^{*} No data for 1994

^{**} No data for 1995

PENNYRILE AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	30.5	30.1
Lack of Physical Activity **	72.9	68.0
Overweight	33.0	32.8
Diabetes	5.3	5.4
Seatbelt Non-Use *	31.0	34.4
Alcohol *	26.7	26.4
Hypertension *	24.7	28.5
Nutrition **	15.6	11.6
Cholesterol Screening *	60.9	61.6
Colorectal Screening *	32.5	32.8
Mammograms	53.2	57.4
Cervical Cancer Screening	71.7	72.4
Immunizations - Influenza, * Pneumonia *	56.0 31.5	59.2 31.1
Health Care Coverage	84.2	86.7
General Health Status - Excellent/Very Good	45.6	41.9

^{*} No data for 1994

^{**} No data for 1995

PURCHASE AREA DEVELOPMENT DISTRICT

Risk Factor / Health Measure	1994 - 1996	1995 - 1997
Smoking	26.8	31.1
Lack of Physical Activity **	63.2	67.0
Overweight	25.9	26.4
Diabetes	3.7	3.9
Seatbelt Non-Use *	35.8	33.3
Alcohol *	31.3	29.5
Hypertension *	16.9	20.1
Nutrition **	18.2	18.0
Cholesterol Screening *	61.4	62.1
Colorectal Screening *	33.4	35.7
Mammograms	61.0	69.1
Cervical Cancer Screening	73.0	74.6
Immunizations - Influenza, * Pneumonia *	71.5 36.8	72.5 45.2
Health Care Coverage	86.9	88.2
General Health Status - Excellent/Very Good	56.2	52.6

^{*} No data for 1994

^{**} No data for 1995

KENTUCKY

Kentucky Behavioral Risk Factor Surveillance
State Yearly Percentages, 1995, 1996, and 1997

Risk Factor / Health Measure	1995	1996	1997
Smoking	27.8	31.6	30.7
Lack of Physical Activity **	**	69.3	64.5
Overweight	28.8	31.8	34.7
Diabetes	3.5	4.5	5.3
Seatbelt Non-Use*	34.8	33.8	34.5
Alcohol*	34.5	32.6	33.7
Hypertension*	21.5	25.2	26.8
Nutrition **	**	17.4	15.5
Cholesterol Screening*	60.6	59.9	62.7
Colorectal Screening*	30.5	34.0	33.4
Mammograms	55.9	59.4	64.8
Cervical Cancer Screening	73.3	75.3	77.5
Immunizations - Influenza,* Pneumonia*	51.9 23.8	60.8 28.4	60.6 37.0
Health Care Coverage	85.7	85.4	85.9
General Health Status Excellent/Good	51.5	48.6	49.3

^{**} No data for 1995